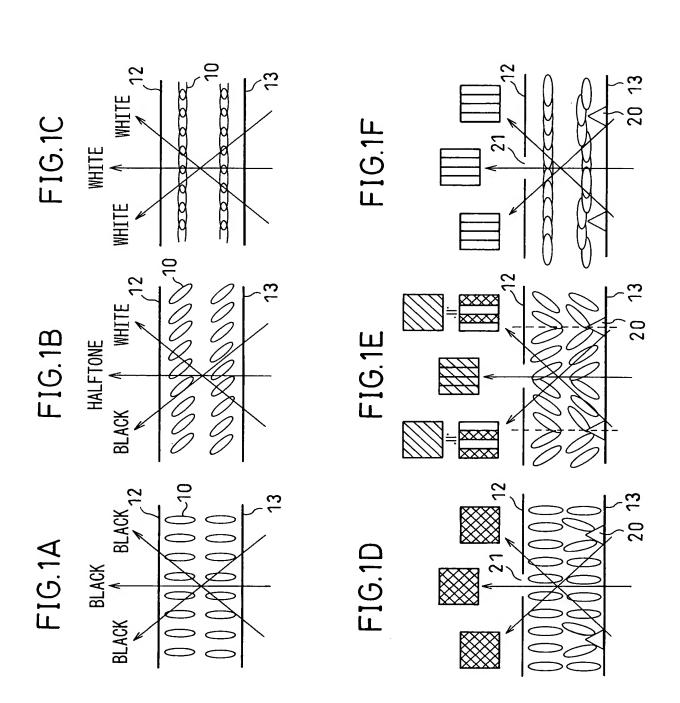
LIQUID CRYSTAL DISPLAY DEVICE Sasabayashi et al. Greer, Burns & Crain, Ltd. Ref. No. 2803.70169 Sheet 1 of 30 March 22, 2004

(Patrick G. Burns)

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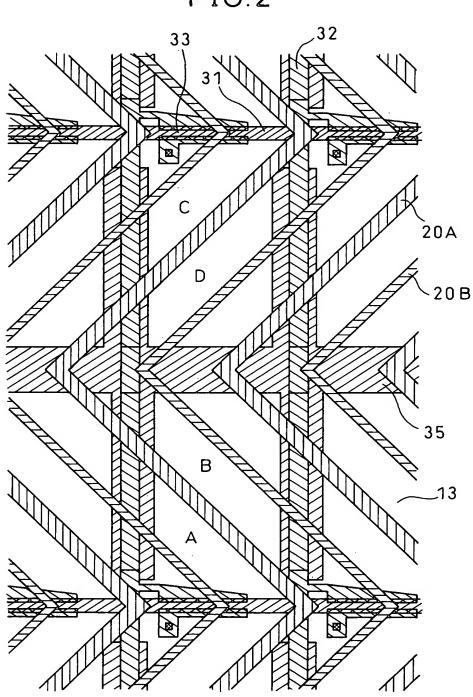


LIQUID CRYSTAL DISPLAY DEVICE Sasabayashi et al. Greer, Burns & Crain, Ltd. Ref. No. 2803.70169 Sheet 2 of 30

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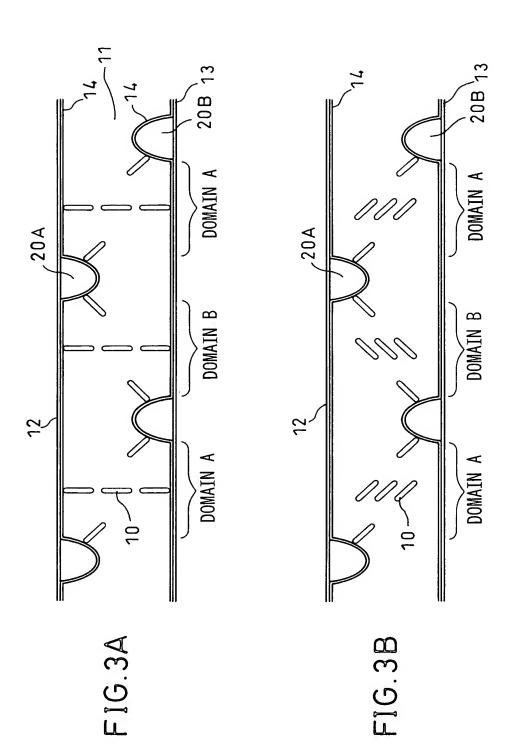
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FIG.2



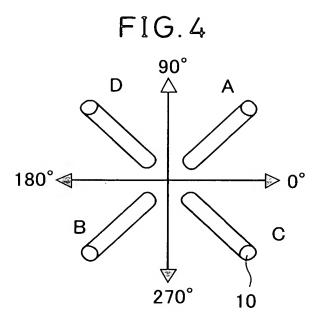
LIQUID CRYSTAL DISPLAY DEVICE Sasabayashi et al. Greer, Burns & Crain, Ltd. Ref. No. 2803.70169 Sheet 3 of 30





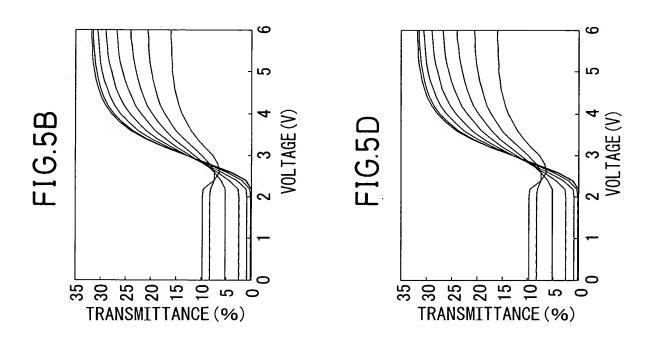
LIQUID CRYSTAL DISPLAY DEVICE Sasabayashi et al. Greer, Burns & Crain, Ltd. Ref. No. 2803.70169 Sheet 4 of 30

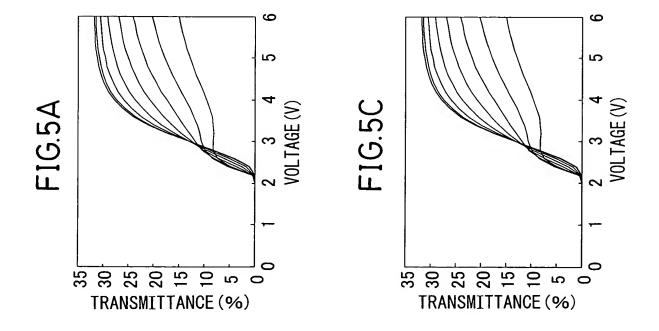




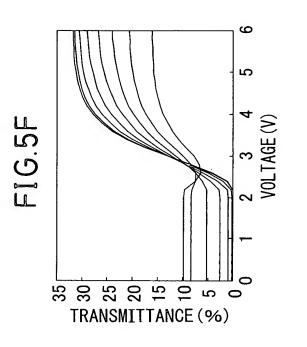
LIQUID CRYSTAL DISPLAY DEVICE Sasabayashi et al. Greer, Burns & Crain, Ltd. Ref. No. 2803.70169 Sheet 5 of 30

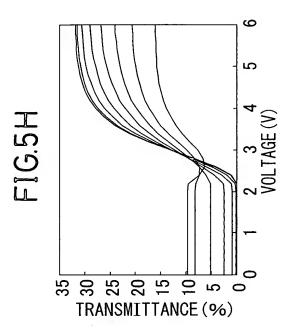
March 22, 2004
(Patrick G. Burns)
(312) 360 0080

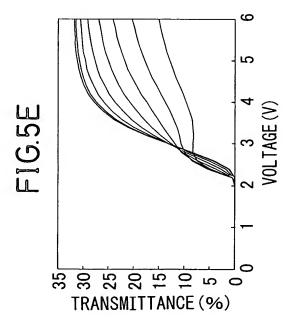


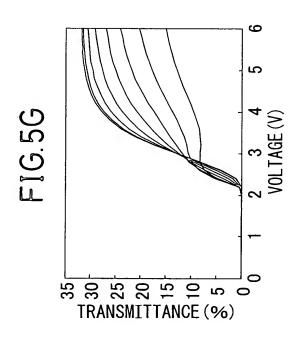


LIQUID CRYSTAL DISPLAY DEVICE Sasabayashi et al. Greer, Burns & Crain, Ltd. Ref. No. 2803.70169 Sheet 6 of 30 March 22, 2004 (Patrick G. Burns)
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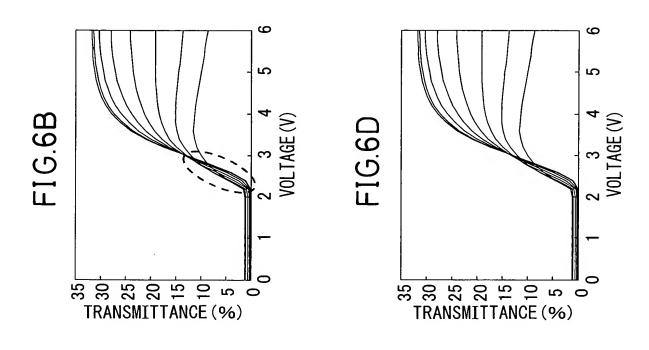


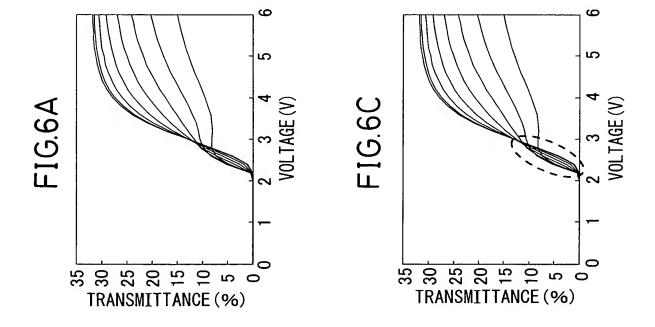




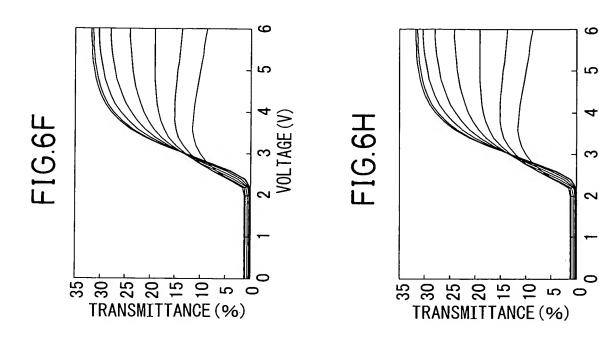


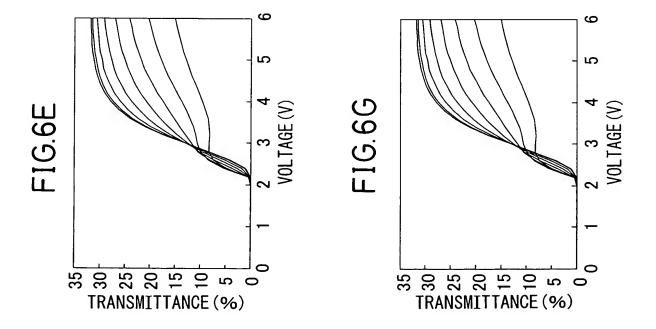
LIQUID CRYSTAL DISPLAY DEVICE Sasabayashi et al. Greer, Burns & Crain, Ltd. Ref. No. 2803.70169 Sheet 7 of 30 March 22, 2004
(Patrick G. Burns)
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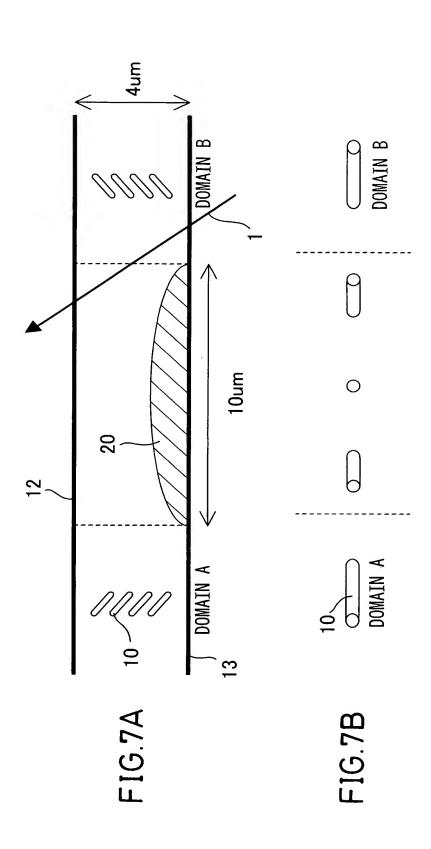


LIQUID CRYSTAL DISPLAY DEVICE Sasabayashi et al. Greer, Burns & Crain, Ltd. Ref. No. 2803.70169 Sheet 8 of 30 March 22, 2004
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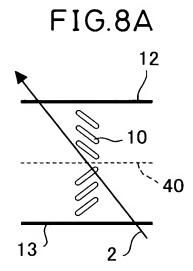


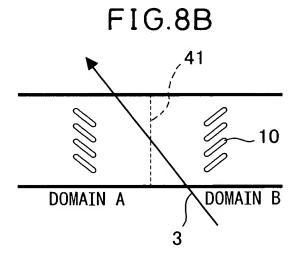




LIQUID CRYSTAL DISPLAY DEVICE Sasabayashi et al. Greer, Burns & Crain, Ltd. Ref. No. 2803.70169 Sheet 10 of 30

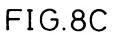


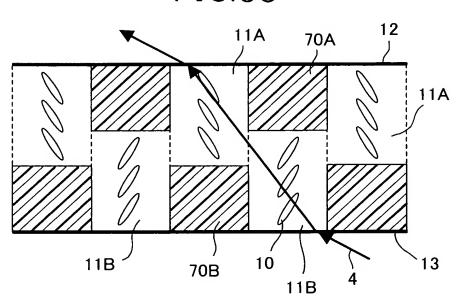




LIQUID CRYSTAL DISPLAY DEVICE Sasabayashi et al. Greer, Burns & Crain, Ltd. Ref. No. 2803.70169 Sheet 11 of 30

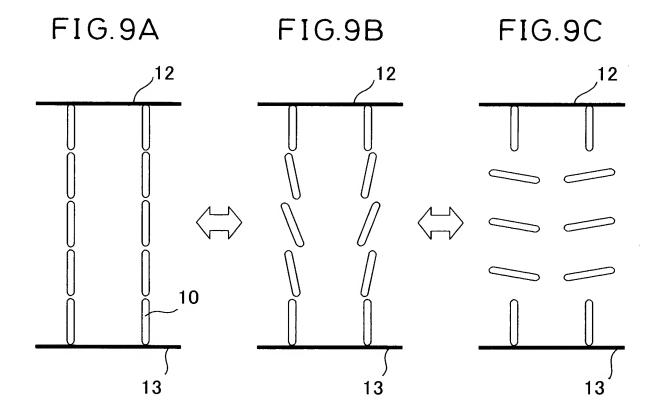
March 22, 2004
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LIQUID CRYSTAL DISPLAY DEVICE Sasabayashi et al. Greer, Burns & Crain, Ltd. Ref. No. 2803.70169 Sheet 12 of 30

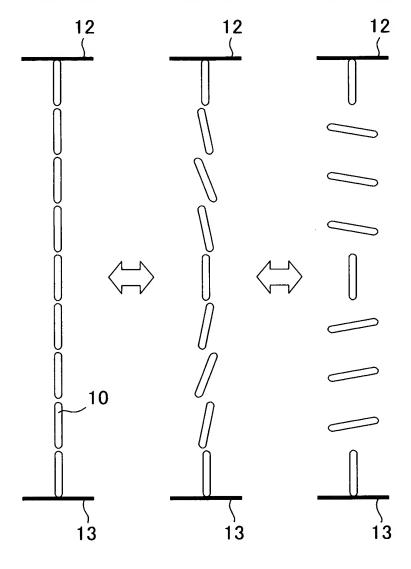




LIQUID CRYSTAL DISPLAY DEVICE Sasabayashi et al. Greer, Burns & Crain, Ltd. Ref. No. 2803.70169 Sheet 13 of 30 March 22, 2004
(Patrick G. Burns)
(312) 360 0080

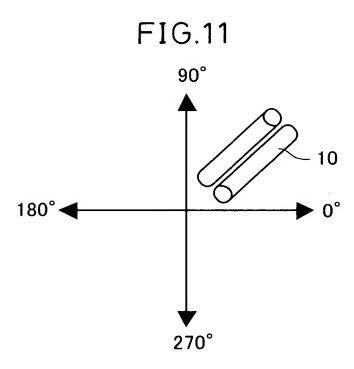
13/30

FIG.10A FIG.10B FIG.10C

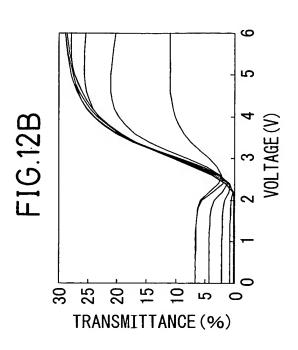


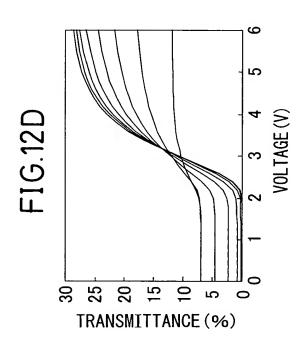
LIQUID CRYSTAL DISPLAY DEVICE Sasabayashi et al. Greer, Burns & Crain, Ltd. Ref. No. 2803.70169 Sheet 14 of 30

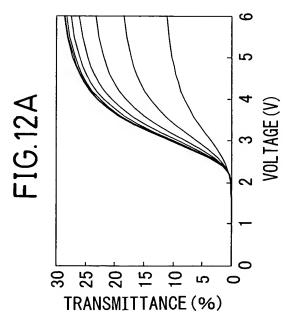
March 22, 2004
(Patrick G. Burns)
(312) 360 0080

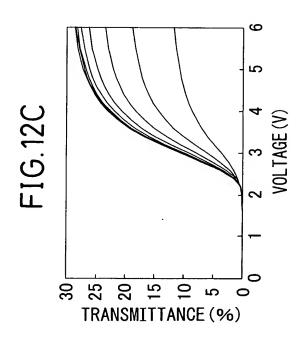


LIQUID CRYSTAL DISPLAY DEVICE Sasabayashi et al. Greer, Burns & Crain, Ltd. Ref. No. 2803.70169 Sheet 15 of 30 March 22, 2004
(Patrick G. Burns)
(312) 360 0080

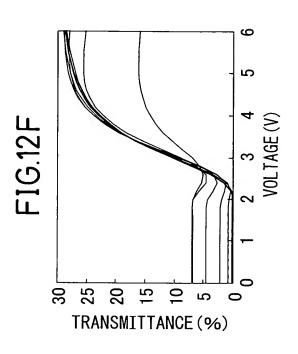


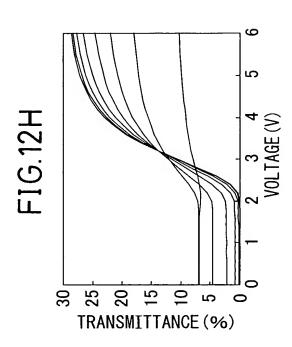


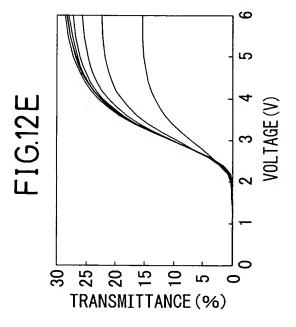


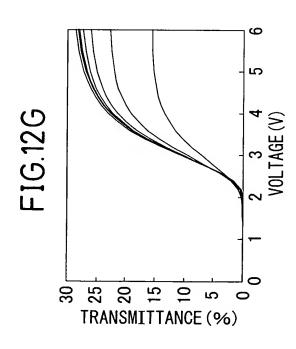


LIQUID CRYSTAL DISPLAY DEVICE Sasabayashi et al. Greer, Burns & Crain, Ltd. Ref. No. 2803.70169 Sheet 16 of 30 March 22, 2004 (Patrick G. Burns) (312) 360 0080

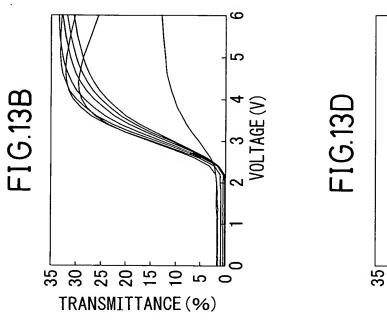


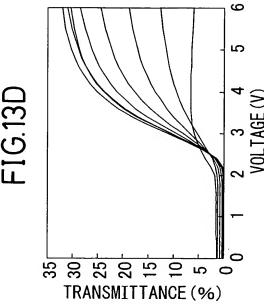


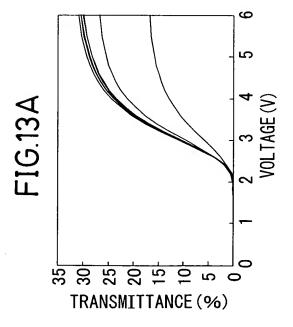


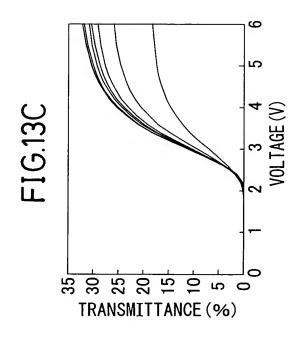


LIQUID CRYSTAL DISPLAY DEVICE Sasabayashi et al. Greer, Burns & Crain, Ltd. Ref. No. 2803.70169 Sheet 17 of 30 March 22, 2004 (Patrick G. Burns) (312) 360 0080

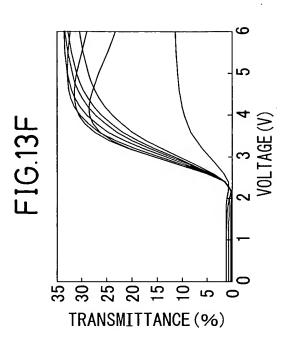


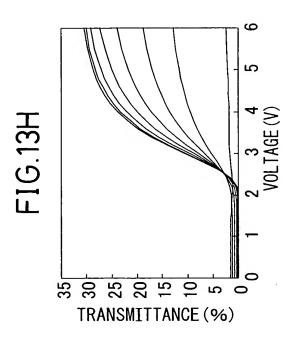


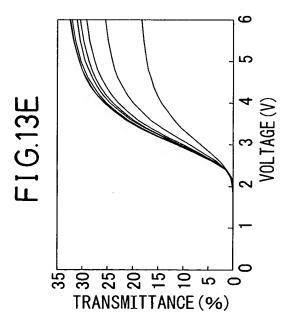


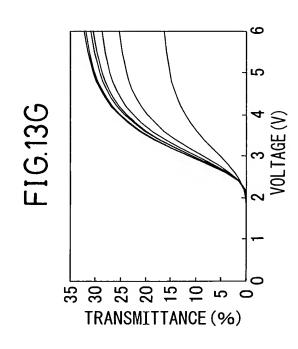


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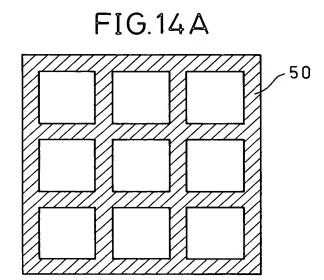
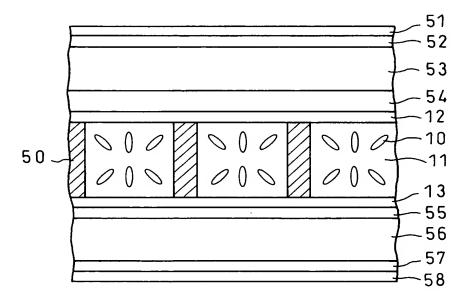
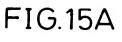


FIG.14B



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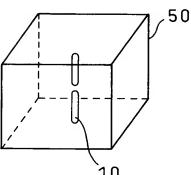


FIG.15B

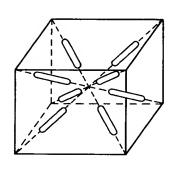


FIG.16A

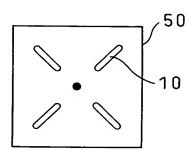
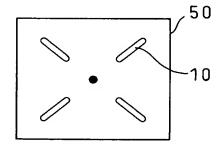
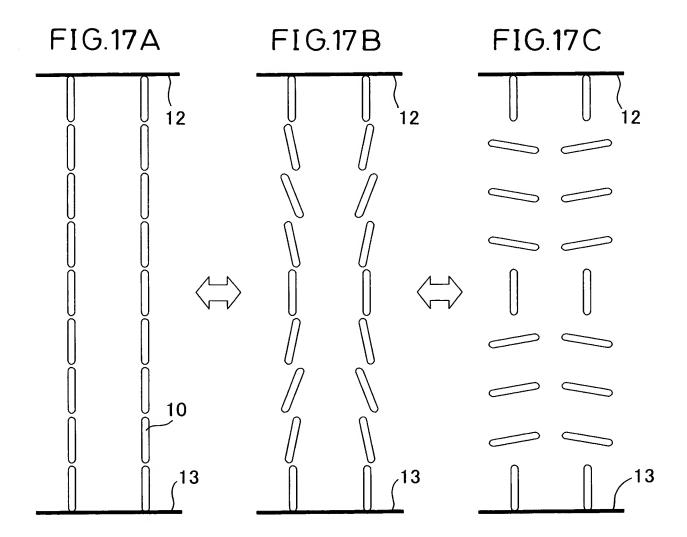


FIG.16B



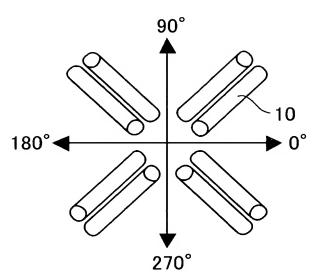
LIQUID CRYSTAL DISPLAY DEVICE Sasabayashi et al. Greer, Burns & Crain, Ltd. Ref. No. 2803.70169 Sheet 21 of 30 March 22, 2004
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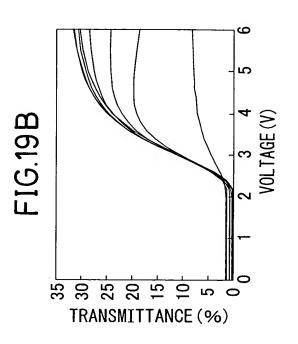
LIQUID CRYSTAL DISPLAY DEVICE Sasabayashi et al. Greer, Burns & Crain, Ltd. Ref. No. 2803.70169 Sheet 22 of 30

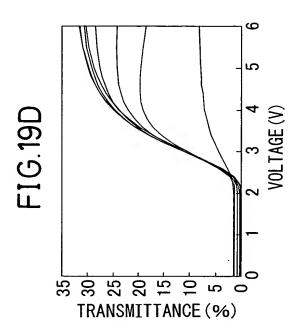
March 22, 2004
(Patrick G. Burns)
(312) 360 0080

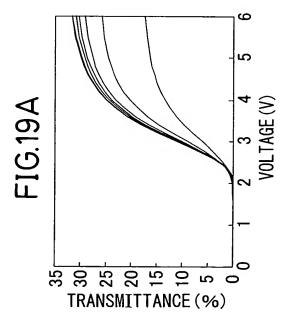


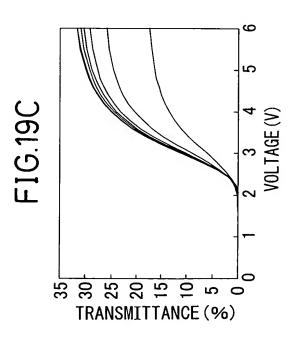


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(Patrick G. Burns)
(312) 360 0080



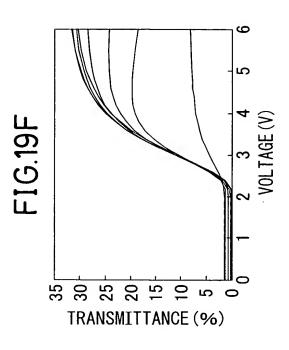


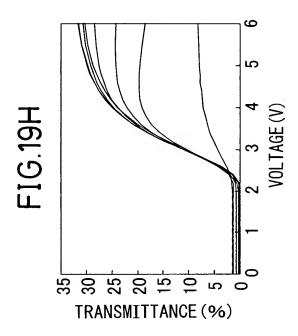


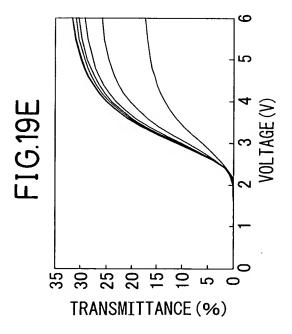


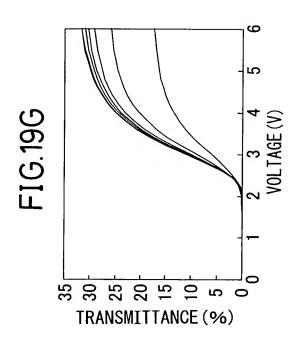
LIQUID CRYSTAL DISPLAY DEVICE Sasabayashi et al. Greer, Burns & Crain, Ltd. Ref. No. 2803.70169 Sheet 24 of 30

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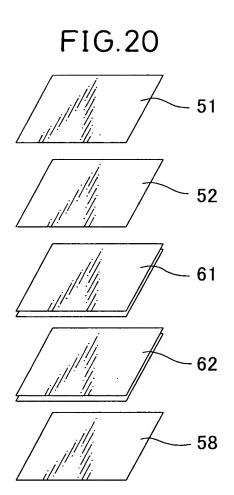






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FIG.21A

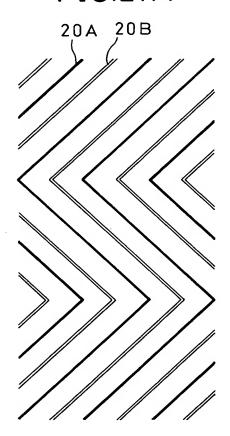
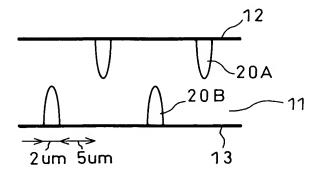
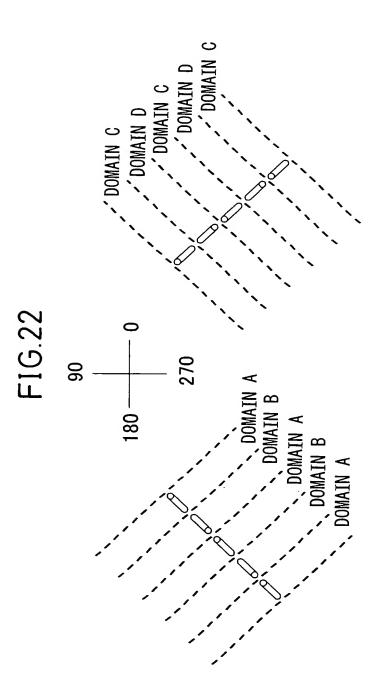


FIG.21B

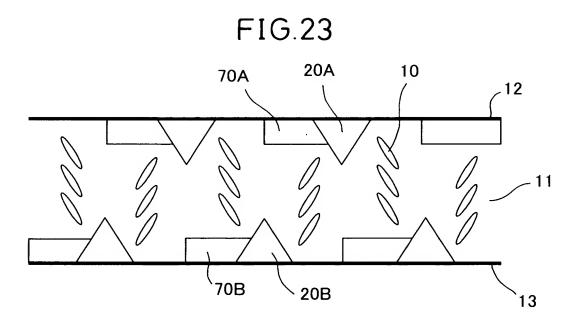






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FIG.24A

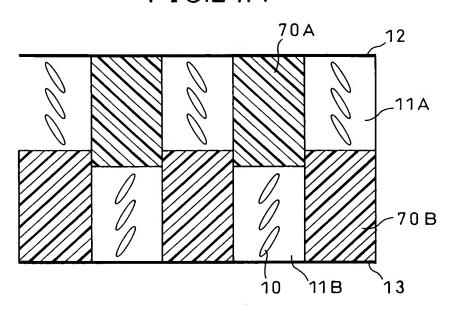
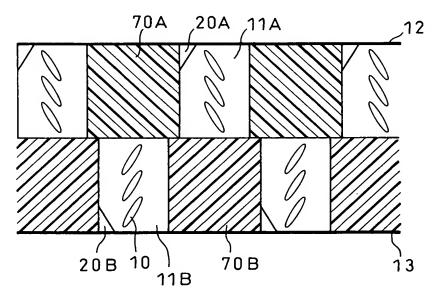


FIG.24B



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